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NPIC/TSSG/RED-1931-69
18 November 1969

MEMORANDUM FOR: Executive Director, NPIC

THROUGH : Chief, Technical Services and Support Group, NPIC

SUBJECT : RED Plans to Begin Phase II of [] Imagery Interpretation Research Program

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1. This memorandum will describe the current status of NPIC's Imagery Interpretation Research contract with []

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2. This contract was originally let in February, 1969. Its 18 month period of performance carries through August 1970 and consists of two phases.

3. A contractually-stipulated technical review has just been completed at the halfway point of the contract (the end of Phase I). Its primary purpose was to insure that the Phase II research, planned more than 9 months ago, will still be responsive to current Center research needs.

4. RED, in conjunction with its human factors consultants panel and operational NPIC components, has intensively reviewed the results of [] Phase I program (February-November 1969, []). As a result of this review, it is now recommended that [] be authorized to start the following Phase II tasks (24 November 1969 - 23 August 1970, []), referencing [] detailed contract work statement, Document DK-400, "Technical Task Operating Plans 1969-1970" and Appendix A of this memorandum:

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Task 6 - Precise Mensuration Study Support (Stereo Mensuration Accuracy) - []

Support begun during Phase I to an in-house IEG/FHD project on precise measurement, through a study of stereo vs. mono mensuration accuracy and the development of objective accuracy statements

GROUP 1
Excluded from automatic
downgrading and
declassification

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Declass Review by NIMA/DOD

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for published PHD height dimensions.

Task 11 - Equipment Design Support (including TICOF Support) - []

Human engineering assistance to NPIC's development and evaluation of interpreter equipment; test plan preparation for operational suitability testing of equipment and procedures in NPIC's Technology Integration and Checkout Facility (TICOF).

Task 12 - Microscope Design Criteria (Field of View, Convergence Angle) - []

Planning of an experiment to determine optimum field of view specifications for the optical design of NPIC microscopes; continuation of a Phase I effort to determine optimum convergence angles for NPIC microscopes.

Task 13 - Edge Identification Training (Pointing Accuracy Improvement) - []

Development of a training program designed to assist new photogrammetrists in learning critical measurement techniques.

Task 14 - Target Recognition Training for Area Specialists - []

Development of a pilot training package to assist IEG area specialist interpreters in performing their general target search and identification function.

Task 15 - State-of-the-Art Studies - []

Continuous monitoring of nationwide research and development advances relevant to NPIC interpretation process improvement.

5. RED plans to authorize the inauguration of the above Phase II technical tasks on 24 November 1969. [] will be notified through

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official channels by the CIA West Coast Contracting Officer.

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[]
Chief, Research & Engineering Division
TSSG

Attachment:

1. Appendix A - Detailed Task Descriptions
2. [] Document DK-400, "Imagery Interpretation Research Program - Technical Task Operating Plans 1969-1970"

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Distribution:

- 1 - Addressee w/att.
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NPIC/TSSG/RED/ATB: [] (18 Nov. 69)

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